

## EAST Search History

S71	373	((frequency near hopping) and (((sub-carrier\$2) or (sub near channel) or (sub-channel) or (sub near carrier)) and (filter\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 14:55
S72	45	S71 and ((signal near generat\$4) and (control\$4 near frequency) and (combin\$4 or sum\$4 and add\$3) and (amplif\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 11:20
S73	7	("5548582"   "5896375"   "6009332"   "6112094"   "6498788"   "6647005"   "6657985").PN. OR ("7149199").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/11/18 11:04
S74	58	("5274629"   "5282222"   "5285470"   "5307376"   "5371761"   "5406551"   "5425050").PN. OR ("5548582").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/11/18 11:09
S75	2	S71 and ((signal near generat\$4) and (control\$4) and (combin\$4 or sum\$4 and add\$3) and (amplif\$4) and (program\$5 near filter) and (ofdm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 11:23
S76	48	S71 and ((signal near generat\$4) and (control\$4) and (combin\$4 or sum\$4 and add\$3) and (amplif\$4) and (filter) and (ofdm) and ("m" and "n"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 11:23
S77	6	((frequency near hopping) and (((sub-carrier\$2) or (sub near channel) or (sub-channel) or (sub near carrier)) and (filter\$3))) and ((signal near generat\$4) with (control\$4 near3 frequency)) and (combin\$4 or sum\$4 and add\$3) and (amplif\$4) and (ofdm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 11:47

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S78	8	((frequency near hopping) and (((sub-carrier\$2) or (sub near channel) or (sub-channel) or (sub near carrier)) and (filter\$3)) and ((signal near generat\$4) with (control\$4 near3 frequency)) and (ofdm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 11:57
S79	307	Laroia near Rajiv	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 11:49
S80	23	(Laroia near Rajiv) and (frequency near hopping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 11:49
S81	9	((frequency near hopping) and (((sub-carrier\$2) or (sub near channel) or (sub-channel) or (sub near carrier)) and (filter\$3)) and ((signal near5 generat\$4) with (control\$4 near3 frequency)) and (ofdm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 12:04
S82	22	(Liu near Der near Zheng)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 12:04
S83	109	((frequency near hopping) same (((sub-carrier\$2) or (sub near channel) or (sub-channel) or (sub near carrier)))) and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:27
S84	59	S83 and (control\$4 with ((sub-carrier\$2) or (sub near channel) or (sub-channel) or (sub near carrier)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 14:57

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S85	10	(frequency near hopping) same (ofdm and (signal near generat\$4) and (filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:35
S86	397	(frequency near hopping) and (ofdm and (signal near generat\$4) and (filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:36
S87	0	(frequency near hopping) and (ofdm and (program\$4 near signal near generat\$4) and (program\$4 near filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:36
S88	1	(frequency near hopping) and (ofdm and (program\$5 near signal near generat\$4) and (program\$5 near filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:37
S89	1	(frequency near hopping) and (ofdm and (program\$5 near3 generat\$4) and (program\$5 near filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:37
S90	9	(frequency near hopping) and (ofdm and (signal near generat\$4) and (program\$5 near filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:41
S91	7	(frequency near hopping) and (sub near carrier and (signal near generat\$4) and (program\$5 near3 filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:42

## EAST Search History

S92	55	(frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( filter) and ofdm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:13
S93	3	"20030123383"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 21:55
S94	18	("20010037351"   "20010050926"   "20020055356"   "20020097787"   "20020136276"   "20030078021"   "20060166619"   "5629929"   "5712870"   "5793818"   "5933421"   "5966401"   "6212246"   "6400699"   "6487252"   "6594322"   "6687288"   "6898235").PN. OR ("7180963"   "7206350").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/11/20 21:56
S95	129	(frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:13
S96	62	(frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( filter) and (control\$4 near3 frequency))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:14
S97	62	(frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( filter) and (control\$4 near3 frequency) and (combin\$4 or sum\$4 or add\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:30

## EAST Search History

S98	3	(frequency near hopping) and ((sub near carrier) and (synthesizer near4 (signal near generat\$4)) and ( filter) and (control\$4 near3 frequency) and (combin\$4 or sum\$4 or add\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:29
S99	36	((multi near carrier) or (ofdm)) and frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( filter) and (control\$4 near3 frequency) and (combin\$4 or sum\$4 or add\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:08
S100	235	Li near Junyi	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:33
S101	23	(Li near Junyi) and (frequency near hopping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:33
S102	3	(frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( fix\$2 near filter) and (control\$4 near3 frequency) and (combin\$4 or sum\$4 or add\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:43
S103	51	(frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( filter) and (control\$4 near3 frequency) and (combin\$4 or sum\$4 or add\$3) and amplif\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/20 22:43
S104	36	((multi near carrier) or (ofdm)) and frequency near hopping) and ((sub near carrier) and (signal near generat\$4) and ( filter) and (control\$4 near3 frequency) and (filter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:08

## EAST Search History

S10 5	4	((multi near carrier) or (ofdm)) and ((frequency near hopping) same ((sub near carrier) and (generat\$4) and ( filter) and (control\$4 near3 frequency) and (amplifier) and (combin\$4 or sum\$4 or add\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:12
S10 6	2	(frequency near hopping) and (((multi near carrier) or (ofdm)) same ((sub near carrier) and (generat\$4) and ( filter) and (control\$4 near3 frequency) and (amplifier) and (combin\$4 or sum\$4 or add\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:14
S10 7	1587	(frequency near hopping) and ((multi near carrier) or (ofdm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:15
S10 8	1761	(control\$4 with (frequency and (sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel))) and (signal near3 generat\$4 with ((sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel) and filter and amplifier)) and (combin\$4 or sum\$4 or add\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:35
S10 9	37	S107 and S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:39

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S11 0	661	(control\$4 with (frequency and (sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel))) and (signal near2 generat\$4 with ((sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel) and amplifier) and (filter with (band adj1 width and (sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel)))) and (combin\$4 or sum\$4 or add\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:47
S11 1	11	S107 and S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:39
S11 2	10	("20010037351"   "20020055356"   "20020136276"   "5629929"   "5933421"   "6400699"   "6487252"   "6594322"   "6687288"   "6898235").PN. OR ("7206350").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/11/24 11:41
S11 3	19	S110 and (frequency near hopping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:49
S11 4	500	(control\$4 with (frequency and ((n and m) with (sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel)))) and (signal near2 generat\$4 with ((sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel) and amplifier) and (filter with (band adj1 width and (sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel)))) and (combin\$4 or sum\$4 or add\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 15:47

## EAST Search History

S11 5	20	S114 and (frequency near3 hop\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 11:49
S11 6	2	"20030123383" and (control\$4 and frequency and filter and sub-carrier and sub-channel and generat\$4 and combin\$4 and "m" and "n")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 14:54
S11 7	2	"20030123383" and (control\$4 and frequency and filter and sub-carrier and sub-channel and generat\$4 and combin\$4 and "m" and "n" and hop\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 14:54
S11 8	137	(control\$4 with (frequency and ((n and m) with (sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel)))) and (signal near2 generat\$4 with ((sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel) and amplifier) and (filter with (band adj1 width and (sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel)))) and ((combin\$4 or sum\$4 or add\$3) with ((sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel))) and (amplifi\$6 with ((sub-carrier) or (subcarrier) or (subband) or (sub-band) or (subchannel) or (sub-channel)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 15:58
S11 9	7	S118 and (frequency near hopp\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 15:58



## EAST Search History

S12 0	72	"5852630"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/24 21:09
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## EAST Search History

S64	2	"20030179776"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/29 09:52
S65	5	"6807146"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/29 09:52
S66	52	"5323447"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/30 10:04
S67	6862	(375/136.ccls.) or (375/133.ccls.) or (375/130.ccls.) or (370/342. ccls.) or (398/182.ccls.) or (455/501.ccls.) or (455/502.ccls.) or (379/61.ccls.) or (371/42.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/30 10:28
S68	92	S67 and (ofdm and frequency adj hopping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/03/30 10:29
S69	10	((frequency near hopping) same ((sub-carrier\$2) and (filter\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 10:36
S70	14	((frequency near hopping) same (((sub-carrier\$2) or (sub near channel) or (sub-channel) or (sub near carrier)) and (filter\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/11/18 10:45